

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 1111

Roll No.

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B. Tech.

(Semester-I) Theory Examination, 2012-13

BIOLOGY-I

Time : 3 Hours]

[Total Marks : 100

Note : Attempt questions from all Sections as indicated

Section-A

1. Briefly explain the following (any ten): $2 \times 10 = 20$
- (a) Taxonomy
 - (b) Genus and Species
 - (c) Algae
 - (d) Viroids
 - (e) C_4 Pathway
 - (f) De-differentiation and Re-differentiation
 - (g) Photoperiodism
 - (h) Phloem
 - (i) Neural tissue
 - (j) Taxonomical Aids
 - (k) Order and Class
 - (l) Family.

Section-B

2. Write notes on any *three* of the following : $10 \times 3 = 30$
- (a) Diversity of living organism
 - (b) Angiosperms
 - (c) Anatomy of cockroach
 - (d) Flower and its parts
 - (e) Movement of water and nutrients in plants.

Section-C

3. Attempt the following : $10 \times 5 = 50$
- (a) Write a note on Binomial.

Or

Write a note on Systematics system of nomenclature.

- (b) Discuss root and its modifications.

Or

Discuss stem and its modifications.

- (c) Write a detailed note on plant growth regulators.

Or

Write a detailed note on Photosynthesis.

- (d) Classify Animal tissues and discuss connective tissues.

Or

Explain Mitosis and Meiosis.

- (e) Write a note on Viruses.

Or

Write a note on Pteridophytes.